

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	235	514/377.ccls.	USPAT	OR	OFF	2007/08/24 16:09
L2	216	I1 and @ad<"20030403"	USPAT	OR	OFF	2007/08/24 16:10
L3	12	I2 and 5-lipoxygenase	USPAT	OR	OFF	2007/08/24 16:11

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal203pxs

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	MAY 01	New CAS web site launched
NEWS	3	MAY 08	CA/CAPplus Indian patent publication number format defined
NEWS	4	MAY 14	RDISCLOSURE on STN Easy enhanced with new search and display fields
NEWS	5	MAY 21	BIOSIS reloaded and enhanced with archival data
NEWS	6	MAY 21	TOXCENTER enhanced with BIOSIS reload
NEWS	7	MAY 21	CA/CAPplus enhanced with additional kind codes for German patents
NEWS	8	MAY 22	CA/CAPplus enhanced with IPC reclassification in Japanese patents
NEWS	9	JUN 27	CA/CAPplus enhanced with pre-1967 CAS Registry Numbers
NEWS	10	JUN 29	STN Viewer now available
NEWS	11	JUN 29	STN Express, Version 8.2, now available
NEWS	12	JUL 02	LEMBASE coverage updated
NEWS	13	JUL 02	LMEDLINE coverage updated
NEWS	14	JUL 02	SCISEARCH enhanced with complete author names
NEWS	15	JUL 02	CHEMCATS accession numbers revised
NEWS	16	JUL 02	CA/CAPplus enhanced with utility model patents from China
NEWS	17	JUL 16	CAPplus enhanced with French and German abstracts
NEWS	18	JUL 18	CA/CAPplus patent coverage enhanced
NEWS	19	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS	20	JUL 30	USGENE now available on STN
NEWS	21	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS	22	AUG 06	BEILSTEIN updated with new compounds
NEWS	23	AUG 06	FSTA enhanced with new thesaurus edition
NEWS	24	AUG 13	CA/CAPplus enhanced with additional kind codes for granted patents
NEWS	25	AUG 20	CA/CAPplus enhanced with CAS indexing in pre-1907 records
NEWS EXPRESS	29	JUNE 2007:	CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 05 JULY 2007.
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS LOGIN			Welcome Banner and News Items
NEWS IPC8			For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 16:04:20 ON 24 AUG 2007

=> file registry
COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 16:04:32 ON 24 AUG 2007
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 23 AUG 2007 HIGHEST RN 945525-31-5
DICTIONARY FILE UPDATES: 23 AUG 2007 HIGHEST RN 945525-31-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

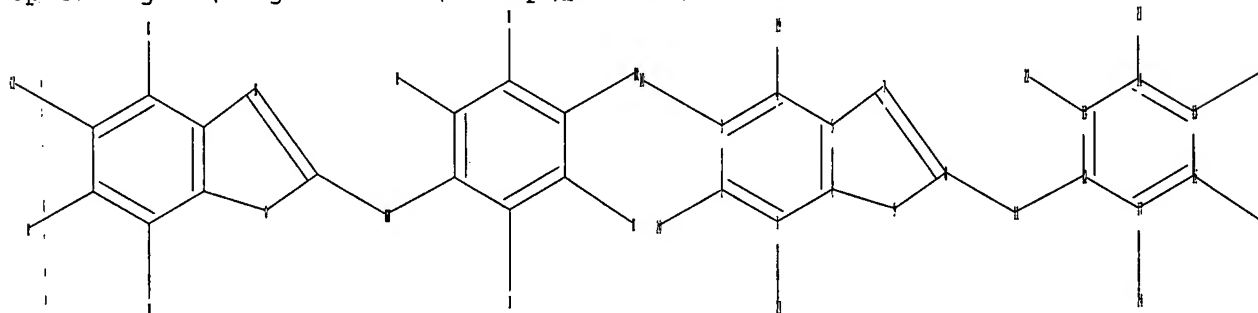
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>
Uploading C:\Program Files\Stnexp\Queries\10789725.str



chain nodes :
10 11 18 19 20 21 22 23 24 25
ring nodes :
1 2 3 4 5 6 7 8 9 12 13 14 15 16 17
chain bonds :
1-21 2-20 3-10 4-19 8-11 11-12 13-22 14-23 15-18 16-25 17-24
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 12-13 12-17 13-14 14-15 15-16 16-17
exact/norm bonds :
5-7 6-9 7-8 8-9 8-11 11-12
exact bonds :
1-21 2-20 3-10 4-19 13-22 14-23 15-18 16-25 17-24
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 12-13 12-17 13-14 14-15 15-16 16-17

Match level :

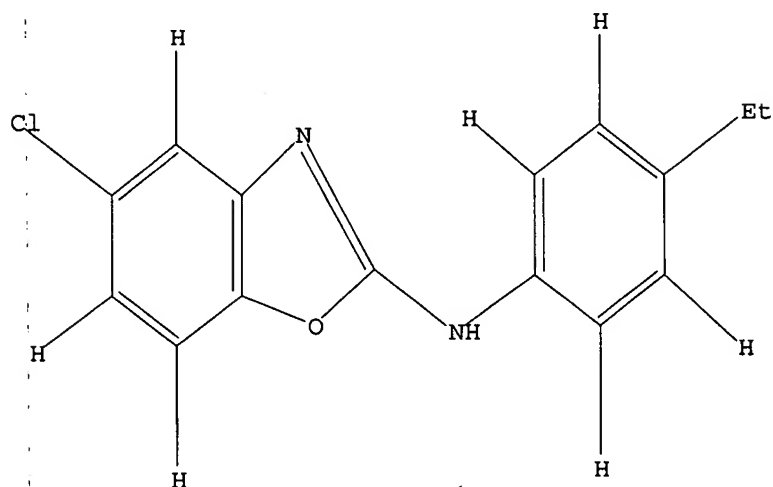
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 11 exa full

FULL SEARCH INITIATED 16:04:55 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

L2 1 SEA EXA FUL L1

=> d 12

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN

RN 770710-44-6 REGISTRY

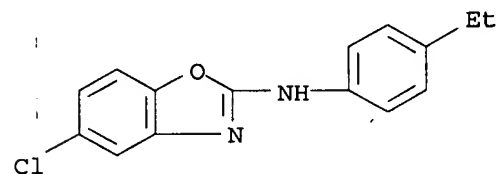
ED Entered STN: 28 Oct 2004

CN 2-Benzoxazamine, 5-chloro-N-(4-ethylphenyl)- (9CI) (CA INDEX NAME)

MF C15 H13 Cl N2 O

SR CA

LC STN Files: CA, CAPLUS, CASREACT, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file medline caplus wpids uspatfull
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
60.65	60.86

FULL ESTIMATED COST

FILE 'MEDLINE' ENTERED AT 16:05:27 ON 24 AUG 2007

FILE 'CAPLUS' ENTERED AT 16:05:27 ON 24 AUG 2007

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FILE 'WPIDS' ENTERED AT 16:05:27 ON 24 AUG 2007

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FILE 'USPATFULL' ENTERED AT 16:05:27 ON 24 AUG 2007

CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

=> s 12

SAMPLE SEARCH INITIATED 16:05:33 FILE 'WPIDS'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 0 TO 0

PROJECTED ANSWERS: 0 TO 0

L3 3 L2

=> d l3 1-3 ibib, abs, hitstr

L3 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:1225849 CAPLUS

DOCUMENT NUMBER: 144:88204

TITLE: A facile synthesis of 2-aminothiazolo[5,4-b]pyridines
and 2-aminobenzoxazoles via cyclization of thioureas

AUTHOR(S): Yoon, Ju Hee; Song, Hyunmin; Kim, Sang Wong; Han,
Gyoonhee; Choo, Hea-Young Park

CORPORATE SOURCE: School of Pharmacy, Ewha Womans University, Seoul,
120-750, S. Korea

SOURCE: Heterocycles (2005), 65(11), 2729-2740

CODEN: HTCYAM; ISSN: 0385-5414

PUBLISHER: Japan Institute of Heterocyclic Chemistry

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 144:88204

AB 2-Aminothiazolo[5,4-b]pyridines and 2-aminobenzoxazoles were synthesized
via acid-catalyzed cyclization from 2-hydroxy-3-thioureidopyridine and
2-hydroxy-3-thioureidobenzene, resp., which in turn were prepared by the
reaction of isothiocyanates with 2-hydroxy-3-aminopyridine or
2-aminophenol. The OH group of N-(2-hydroxy-5-phenyl)-N'-phenylthiourea
reacted as nucleophile to the thioureido carbon to give
2-aminobenzoxazoles, whereas that of N-(2-hydroxypyridino)-N'-
phenylthiourea reacted as leaving group upon the nucleophilic S of the
thiourea group in the presence of CF3CO2H or H3PO4.

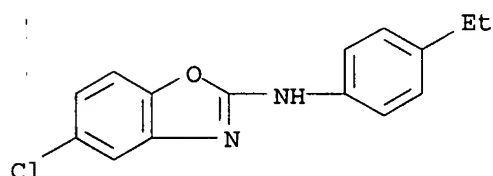
IT 770710-44-6P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of aminothiazolopyridines and aminobenzoxazoles via intramol.
cyclocondensation of hydroxy thioureas)

RN 770710-44-6 CAPLUS

CN 2-Benzoxazamine, 5-chloro-N-(4-ethylphenyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:825136 CAPLUS

DOCUMENT NUMBER: 141:332184

TITLE: Method for inhibiting 5-lipoxygenase using a
benzoxazole derivative or an analogue thereof

INVENTOR(S): Park, Choo Hea Young; Chang, Hyeun Wook; Yoon, Ju Hee;
Ju, Hye Kyung

PATENT ASSIGNEE(S): Ewha Hakdang Incorporated Educational Institution, S.
Korea

SOURCE: U.S. Pat. Appl. Publ., 11 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

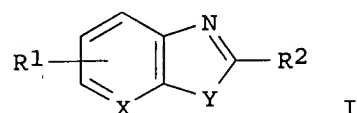
FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004198768	A1	20041007	US 2004-789725	20040227
KR 2004086698	A	20041012	KR 2003-21055	20030403
KR 2005007056	A	20050117	KR 2003-47104	20030711
US 2007066577	A1	20070322	US 2006-549280	20061013
PRIORITY APPLN. INFO.:			KR 2003-21055	A 20030403
			KR 2003-47104	A 20030711
			US 2004-789725	A2 20040227

OTHER SOURCE(S): MARPAT 141:332184

GI



AB The title compds. [I; X = CH, N; Y = O, S; R1 = H, OH, halo, alkyl, etc.;
R2 = NR3R4 (wherein R3 = H, alkyl; R4 = (un)substituted Ph),
(un)substituted Ph, 2-benzothienyl, 3-pyridyl, etc.] which inhibit
5-lipoxygenase in a subject and are useful for preventing or treating a
leukotriene-related diseases, were prepared Thus, reacting
2-hydroxy-3-aminopyridine with Ph isothiocyanate followed by cyclization
of N-(2-hydroxypyridino)-N'-phenylthiourea with TFA afforded I [Y = S; X =
N; R1 = H, R2 = NHPH] which showed IC50 of 9.52 μ M against
5-lipoxygenase.

IT 770710-44-6P

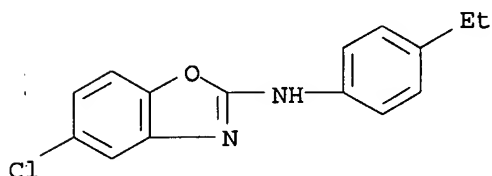
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

(Uses)

(preparation of benzoxazoles and analogs as 5-lipoxygenase inhibitors for preventing or treating a leukotriene-related diseases)

RN 770710-44-6 CAPLUS

CN 2-Benzoxazolamine, 5-chloro-N-(4-ethylphenyl)- (9CI) (CA INDEX NAME)



L3 ANSWER 3 OF 3 USPATFULL on STN

ACCESSION NUMBER: 2004:255238 USPATFULL

TITLE: Method for inhibiting 5-lipoxygenase using a benzoxazole derivative or an analogue thereof

INVENTOR(S): Park Choo, Hea Young, Seoul, KOREA, REPUBLIC OF
Chang, Hyeun Wook, Daegu, KOREA, REPUBLIC OF
Yoon, Ju Hee, Seoul, KOREA, REPUBLIC OF
Ju, Hye Kyung, Daegu, KOREA, REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004198768	A1	20041007
APPLICATION INFO.:	US 2004-789725	A1	20040227 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	KR 2003-21055	20030403
	KR 2003-47104	20030711
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	David A. Einhom, Esq., Anderson Kill & Olick, P.C., 1251 Avenue of the Americas, New York, NY, 10020	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
LINE COUNT:	639	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Use of a benzoxazole derivative or an analogue thereof inhibits 5-lipoxygenase in a subject.

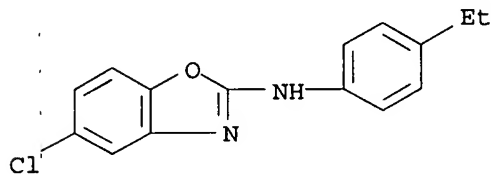
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 770710-44-6P

(preparation of benzoxazoles and analogs as 5-lipoxygenase inhibitors for preventing or treating a leukotriene-related diseases)

RN 770710-44-6 USPATFULL

CN 2-Benzoxazolamine, 5-chloro-N-(4-ethylphenyl)- (9CI) (CA INDEX NAME)



=> d his

(FILE 'HOME' ENTERED AT 16:04:20 ON 24 AUG 2007)

FILE 'REGISTRY' ENTERED AT 16:04:32 ON 24 AUG 2007

L1 STRUCTURE UPLOADED
L2 1 S L1 EXA FULL

FILE 'MEDLINE, CAPLUS, WPIDS, USPATFULL' ENTERED AT 16:05:27 ON 24 AUG 2007

L3 3 S L2

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	23.35	84.21
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.56	-1.56

STN INTERNATIONAL LOGOFF AT 16:06:32 ON 24 AUG 2007